

Title (en)

ANCHORING AND DELIVERY SYSTEM FOR A GASTRO-DUODENAL IMPLANT

Title (de)

VERANKERUNGS- UND FREISETZUNGSSYSTEM FÜR EIN GASTRODUODENALES IMPLANTAT

Title (fr)

SYSTÈME D'ANCRAGE ET DE POSE POUR UN IMPLANT GASTRODUODÉNAL

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Appication

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Abstract (en)

[origin: WO2013022407A1] Gastro-duodenal implants of the present disclosure are configured to resiliently absorb / redistribute gastrointestinal forces, and can include a first retention structure configured to reside in the stomach, and a second retention structure configured for positioning adjacent to the pyloric sphincter on the pyloric opening's duodenal side. Resilient coupling members (e.g., one or more springs) can resiliently bias the first portion away from the second portion (e.g., to maintain the first portion at a default separation distance away from the second portion or the pyloric sphincter). The first portion can be deformable, such as by way of resilient elements that couple frame members, or ellipsoidal / toroidal elements within a flexible assembly. In an embodiment, the first portion includes a compressible fluidly distortable structure configured to adaptively deform (e.g., compress or expand as a result of fluid displacement within the first retention structure).

IPC 8 full level

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Citation (search report)

- [X1] US 4315509 A 19820216 - SMIT JULIE A
- [X] US 2003040804 A1 20030227 - STACK RICHARD S [US], et al
- [E] WO 2012148727 A1 20121101 - PAVILLION MEDICAL INNOVATIONS [US], et al
- [A] US 2011046537 A1 20110224 - ERRICO JOSEPH P [US], et al
- [A] WO 2010074712 A2 20100701 - DUGGIRALA CHANDRA S [US]
- See references of WO 2013022407A1

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